

AMENDMENTS TO THE CLAIMS

1. (currently amended) A fuel cell ~~fuel concentration indicator incorporated in a fuel cell that operates by oxidizing a fuel solution, the fuel concentration indicator~~ comprising:

an anode where fuel is oxidized;

a cathode where oxygen is reduced;

an anode reservoir that contains a fuel solution and the anode; and

a volume of fuel solution; and

a float responsive to fuel solution density immersed in the a volume of fuel solution that serves as a fuel-concentration indicator.

2. (currently amended) ~~The fuel concentration indicator of claim 1 wherein the volume of the fuel solution is contained within an anode reservoir.~~ The fuel cell of claim 1 wherein the fuel solution is a solution of methanol in water.

AI 3. (currently amended) ~~The fuel concentration indicator~~ fuel cell of claim 1 wherein the volume of the fuel solution is contained within a float chamber in fluid contact with the anode reservoir and separated from the anode reservoir by a semi-permeable filter membrane.

4. (currently amended) ~~The fuel concentration indicator~~ fuel cell of claim 1 wherein the volume of the fuel solution is contained within a float chamber in fluid contact with the anode reservoir and separated from the anode reservoir by a fuel channel.

5. (currently amended) ~~The fuel concentration indicator~~ fuel cell of claim 4 further including a semi-permeable membrane between the fuel solution in the anode reservoir and the fuel solution in the float chamber.

6. (currently amended) ~~The fuel concentration indicator~~ fuel cell of claim 1 further comprising a fuel scale aligned with a transparent window on an exterior surface of the

fuel cell in fluid communication with the volume of fuel solution.

7. (currently amended) The ~~fuel concentration indicator~~ fuel cell of claim I wherein the float contains a fuel indicator bar.

8. (currently amended) The ~~fuel concentration indicator~~ fuel cell of claim I wherein the float controls release of the fuel solution.

9. (currently amended) The ~~fuel concentration indicator~~ fuel cell of claim 8 wherein the float completes an electrical circuit controlling the release of the fuel solution.

10. (currently amended) A method for determining the concentration of fuel in a fuel solution in a fuel cell having an anode reservoir containing a fuel solution, the method comprising:

adding a float to the fuel solution within the anode reservoir of the fuel cell where fuel is oxidized, the fuel cell additionally including a cathode where oxygen is reduced;
and

determining the concentration of fuel in the fuel solution by comparing the position of the float to numeric values contained on a fuel scale.

11. (original) The method of claim 10 wherein determination of the concentration of fuel in the fuel solution is determined by viewing the position of the float through a transparent window.

12. (original) The method of claim 10 wherein determination of the concentration of fuel in the fuel solution is determined by viewing the position of the float through a transparent window of a float chamber, the float chamber in fluid contact with the anode reservoir and separated from the anode reservoir by a semi-permeable membrane.

13. (original) The method of claim 10 wherein determination of the concentration of fuel in the fuel solution is determined by viewing the position of the float through a

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transparent window of a float chamber, the float chamber in fluid contact with the anode reservoir and separated from the anode reservoir by a fuel channel.

14. (original) The method of claim 13 further including a semi-permeable membrane between the fuel solution in the anode reservoir and fuel solution in the float chamber.

15. (currently amended) ~~A fuel concentration indicator incorporated in a fuel cell that operates by oxidizing a fuel solution, the fuel concentration indicator comprising:~~

~~a volume of fuel solution; and~~

~~a density indicator means responsive to fuel solution density within the volume of fuel solution.~~

The method of claim 10 wherein the fuel solution is a solution of methanol fuel in water.

Please cancel claim 16.
